Ex No: 14 Raw sockets to implement pocket snipping write a code lesing RAW sockets to Implement packet sniffing Algorithm: import socket, street, datetime def mac (b): return 1:1. join (f' =: 02 x 3' for def ip(b): return 1:1 join(map (str, b)) det parse eth Chrome):
det sre photo = struct. Impact (116.865H's frame[:14] retuln mac (det), mac(src) socket. ntohe (proto), framo [14:] del parse_ ip V4 (pht); V-ih1= pkt[0] 1= (V-1/2 &-OXOF) *4 proto = pht[q] Src = ip (pht[12:16]); det = sp (pkt return & proto; proto; src; src, idst dst, payload: ptst[ih]; J&

eth_proto: 0 4 x }"); Continue

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ight = parise - spv4 (payload) Arc = iph [erc]; dst= sprtidst) up p===6: parse tep sph E payload 3 sre 3: sesp3 > 3 det3: 3 dp3 data = 8 dbn3" malformed & src3 -7 & dst3") 4 - nome - -= " main -ping. server (): Sample input and output 0/P: a a: bb: cc: dd: ep: ff + 11: 22:3 : 44: 55:66 etherdypo=0x081 len = 98 4500000 BCIC 464000400661 e 6 coa 8010 20 0 abo! 11:22:33:44:55:66 >aa: bb:(C:dd: obthertype=0x0806 len=60

first lytes: 0001080006040001aabb 20 dd ee ff c 0 a 80102 C 0 a 8010)

de: ad:be: ef: 00: 01 > ff: ep: dd: cc:

ethertype = 0 x 0800 les = 74

first lyles: 45000003a9a7a40004011a3 faco-a-8010500080101

Besut:
Thus packet sniffing is done
using RAW sockets

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